Name:

p1103: Expand Product of Linear Binomials (v10)

Question 1

Expand the product of linear binomials. $(x + 9)(x + 7)$

$$x^2 + 7x + 9x + 63$$

$$x^2 + 16x + 63$$

Question 2

Expand the product of linear binomials. $(x - 6)(x + 3)$

$$x^2 + 3x - 6x - 18$$

$$x^2 - 3x - 18$$

Question 3

Expand the product of linear binomials. $(x + 7)(x + 2)$

$$x^2 + 2x + 7x + 14$$

$$x^2 + 9x + 14$$

Question 4

Expand the product of linear binomials. $(-8x + 7)(6x - 7)$

$$-48x^2 + 56x + 42x - 49$$

$$-48x^2 + 98x - 49$$

Question 5

Expand the product of linear binomials. $(5x - 9)(-2x + 5)$

$$-10x^2 + 25x + 18x - 45$$

$$-10x^2 + 43x - 45$$

Question 6

Expand the product of linear binomials. $(x+2)(x+9)$

$$x^2+9x+2x+18$$

$$x^2+11x+18$$

Question 7

Expand the product of linear binomials. $(-2x+8)(3x-6)$

$$-6x^2+12x+24x-48$$

$$-6x^2+36x-48$$

Question 8

Expand the product of linear binomials. $(x+1)(x-1)$

$$x^2-x+x-1$$

$$x^2-1$$

Question 9

Expand the product of linear binomials. $(-9x+8)(-5x-9)$

$$45x^2+81x-40x-72$$

$$45x^2+41x-72$$

Question 10

Expand the product of linear binomials. $(8x-2)(-4x+3)$

$$-32x^2+24x+8x-6$$

$$-32x^2+32x-6$$